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DECLARATION FOR UTILITY OR

DESIGN

PATENT APPLICATION (37 CFR 1.63)

PTO/SB/01 (10-00) Approved for use through 10/31/2002. OMB 0651-0032

284867-00019

Billy Wayne Crue

COMPLETE IF KNOWN

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Attorney Docket Number

First Named Inventor

Application Number

Filing Date

		1 ming Date						
Submitted OR	Declaration Submitted after Initial	Group Art Unit						
with Initial Filing	Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name	Э					
As a below named inventor, I hereby declare that:								
My residence, mailing address, an	d citizenship are as state	d below next to my nam	ne.					
I believe I am the original, first and names are listed below) of the sub	ject matter which is claim	ed and for which a pat	tent is sought on th	and joint inven ne invention ent	tor (if plural itled:			
Perpendicular Magr Focusing Main Pole		Head Having	a Flux					
	(Titl	le of the Invention)						
the specification of which	·							
is attached hereto								
OR		as United St	tates Application N	lumber or PCT	International			
was filed on (MM/DD/YYYY)	L			(il	f applicable).			
Application Number	and was am	ended on (MM/DD/YY	YY)					
I hereby state that I have reviewe amended by any amendment spe	d and understand the con cifically referred to above	tents of the above ider	ntified specification	n, including the	claims, as			
I acknowledge the duty to disclos- in-part applications, material infor PCT international filing date of the	mation which became ava	allable between the filin	s defined in 37 CF ng date of the prior	R 1.56, includin rapplication and	ng for continuation- d the national or			
certificate, or 365(a) of any PCT in America, listed below and have	I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed		py Attached? NO			
Number(s)	- Country	(WIWI/DD/TTTT)	Not Claimed	YES	NO			
				ä				
Additional foreign application	numbers are listed on a s	supplemental priority da	ata sheet PTO/SB	/02B attached h	ereto:			
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.								
Application Number(s)								
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The Approved for use through 10/31/2002, OMB 0651-0032

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Name Willia	m F. Lan	g, IV				
Address Fckert	Seamans	Cherin	a Me	llott	, LLC	
Address 600 G	ant Stre	et, 44t	th Flo	or		
cry Pittsh	urgh			State	PA	ZIP 15219
US		Telephone	412	/566-	2024	412/566-6099
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.						
NAME OF SOLE OR FIRST IN				A petitio	n has been fi	ed for this unsigned inventor
C' - Na	Billy Way	we		Family N	1.1.1.1	2
Inventor's BWW	hu					Date 3/15/01
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Mailing Address						
ony Pittsburgh	State	PA		ZIP	15220	Country US
NAME OF SECOND INVENTO				A petitio	on has been f	led for this unsigned inventor
	khrat			Family N		Khizroev
\ \	Kn	7				Date 03/15/01
Residence: City Pittsb	urgh		State	PA	Country US	Citizenship Russia
Mailing Address 6380 Caton Street						
Matting Address						
Cty Pittsburgh	State PA			ZIP	15217	Country US
Additional inventors are being name			rtal Additio			

Please type a plus sign (+) inside this box				PTO/SE/02A (11-00) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Approved to the patent of th				1-0032 MERCE		
DECLARATION			ind to tempor	ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1						
		_								
Name of Addition	ral Joint Inventor, if an	y:			A petition			is unsigned inven	lor	
Given	Name (first and middle [il any])				Family Name	or Su	ırname		
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Inventor's Signature	Disdo 1	5.	fria	ح				Date 03	15	10
Residence: City	Pittsburgh	Sbi	le PA	c	ountry	US	c	Citizenship UK	rair	1e
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Name of Addition	nal Joint Inventor, if ar	y:		A poblion has been filed for this unsigned inventor						
Given	Name (first and middle [if any])		- -		Family Nami	or St	umame		
Tha	mas McLendon			ــلــ	<u> </u>	rawford				
Inventor's Signature	m_W.P.	\rightarrow	S/200	$/\!\!/$, 			Date 03	50	1
Residence: City	Pittsburgh	Sta	PA/		Country	US		Citizenship	us'	
Mailing Address	5 Worthington 1	Road	<u> </u>							
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	nal Joint Inventor, if a			ПА	petition	nas been filed fo	or this	unsigned invento	or	
Given Name (first and middle (if any))				Family Name or Surname						
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Billy Wayne Crue
Group Art Unit	
Examiner Name	
Attorney Docket Number	284867-00019

I hereby appo	int:		* **	
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	e of record of the entire interent ant under 37 CFR 3.73(b) is e			
	SIGNATURE of /	Applicant or Assigne	e of Record	
Name	Sakhrat Khizroev			
Signature	Lely by	5		
Date	03/14/01			
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2 Total of 4	formsare submitted.	····		

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POWER OF ATTORNEY OR **AUTHORIZATION OF AGENT**

Application Number		
Filing Date		
First Named Inventor	Billy Wayne Crue	
Group Art Unit		
Examiner Name		
Attorney Docket Number	284867-00019	

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	the inventors or assignees of record	of the entire interest or	their representativ	ve(s) are required. Submit multiple		
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Application Number		
Filing Date		
First Named Inventor	Billy Wayne Crue	
Group Art Unit		
Examiner Name		
Attorney Docket Number	284867-00019	

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Name , Th	omas McLendon C			
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Applicant/Invent	or.				
Assignee of rec	ord of the entire interest. Se	e 37 CFR 3.71			
Statement unde	r 37 CFR 3.73(b) is enclose	d. (Form PTO)	SB/96).		
	SIGNATURE of Applica	int or Assignee	of Record		
Name Bil	ly Wayne Crue				
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ECKERT SEAMANS CHERIN & MELLOTT, LLC WILLIAM F. LANG, IV 600 GRANT STREET, 44TH FLOOR PITTSBURGH, PA 15219



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/15/2001

REEL/FRAME: 011808/0707

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CRUE, BILLY WAYNE

DOC DATE: 05/02/2001

ASSIGNOR:

KHIZROEV, SAKHRAT

DOC DATE: 05/03/2001

ASSIGNOR:

LITVINOV, DMITRI

DOC DATE: 05/03/2001

ASSIGNOR:

CRAWFORD, THOMAS MCLENDON

DOC DATE: 05/10/2001

ASSIGNEE:

SEAGATE TECHNOLOGY LLC 920 DISC DRIVE

SCOTTS VALLEY, CALIFORNIA 95066

SERIAL NUMBER: 09809118

FILING DATE: 03/15/2001

PATENT NUMBER:

ISSUE DATE:

011808/0707 PAGE 2

DOROTHY BASMA, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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To the Honorable Commissioner of Pa.

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tached original documents or copy thereof.

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lame of conveying party(ies): .lly Wayne Crue .khrat Khizroev	Name and address of receiving party(ies) Seagate Technology LLC			
itri Litvinov	Internal Address:			
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1 Other	City: Scotts Valley State: CA ZIP: 95066			
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illiam F. Lang, IV William	F. Luny D Signature May 11, 2001 Date			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

BILLY WAYNE CRUE ET AL. : PERPENDICULAR MAGNETIC

RECORDING HEAD HAVING A

Serial No.: 09/809,118 : FLUX FOCUSING MAIN POLE

Filed: March 15, 2001

Attorney Docket No. 284867-00019

Group Art Unit: 2652

REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

May 17, 2002

U.S. Patent and Trademark Office Assignment Division Box Assignments, CG-4 Suite 320 1213 Jefferson Davis Highway Washington, D.C. 20231

Sir:

Applicant's attorney respectfully requests a corrected Notice Of Recordation Of Assignment Document setting forth that the correct spelling of Assignor's name is "Dmitri Litvinov", which is incorrectly shown on the Notice of Recordation as "Dmitri Litvivov".

Enclosed are copies of the Assignment and Recordation Form Cover Sheet as originally submitted which show the correct spelling of Assignor's name and the Notice Of Recordation of Assignment Document indicating the error made by the Patent and Trademark Office with the spelling correction in red.

Respectfully submitted,

Alan G. Towner

Registration No. 32,949

Pietragallo, Bosick & Gordon

One Oxford Centre, 38th Floor

301 Grant Street

Pittsburgh, PA 15219

Attorney for Applicants

(412) 263-4340

ASSIGNMENT

Attorney Docket No.:

284867-00019

Seagate Docket No.:

SEA 9514.01

WHEREAS, we BILLY WAYNE CRUE of 833 Greentree Road, Apt. 4C, Pittsburgh, Pennsylvania 15220, USA, SAKHRAT KHIZROEV of 6380 Caton Street, Pittsburgh, Pennsylvania, 15217, USA, DMITRI LITVINOV of 5463 Wilkins Avenue, Pittsburgh, Pennsylvania, 15217, USA, and THOMAS MCLENDON CRAWFORD of 5 Worthington Road, Pittsburgh, Pennsylvania 15238, USA are the inventors of an invention entitled PERPENDICULAR MAGNETIC RECORDING HEAD HAVING A FLUX FOCUSING MAIN POLE that is the subject matter of: (check all that apply)

by Application No.	filed on	;
in application for Letters Patent '	which is identifiable in the United States F	atent and Trademark Office by
Application No. 09/809,118, filed	on March 15, 2001; and	
dentifiable in the United States F	Receiving Office by Application No	filed on
; and		
REAS, Seagate Technology LL	 C, a limited liability company organized ar 	nd existing under the laws of the State
	by Application No. an application for Letters Patent Application No. 09/809,118, filed an international application for Le dentifiable in the United States F ; and	an application for Letters Patent which is identifiable in the United States F Application No. 09/809,118, filed on March 15, 2001; and an international application for Letters Patent filed pursuant to the Patent C dentifiable in the United States Receiving Office by Application No.

USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection; NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby

acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

STATE OF LEWISHUAN, 9

Subscribed and sworn to before me at County if Augustery , a Notary Public, this 2 day of

<u>May</u>, 2001.

(SEAL)

Notarial Seal
Charlotte Wlodkowski, Notary Public
Pittsburgh, Allegheny County
My Commission Expires Apr. 12, 2004

Member, Pennsylvania Association of Notaries

SAKHDAT KHIZDOEV

SAKHRAT KHIZROEV STATE OF PENNSYLVANIA Subscribed and sworn to before me at Courty OF AUECHENY __,a Notary Public, this <u>3</u>__day of May , 2001. Chapth Bloddaush Notar Public (SEAL) Notarial Seal Charlotte Wlodkowski, Notary Public Pittsburgh, Allegheny County My Commission Expires Apr. 12, 2004 Member, Pennsylvania Association of Notaries **DMITRI LITVINOV** Subscribed and sworn to before me at STATE OF PENNSYLVAN.A, a Notary Public, this 3 day of my 2001. Chafitte Alordhemsh. Notary Public Notarial Seal Charlotte Włodkowski, Notary Public Pittsburgh, Allegheny County My Commission Expires Apr. 12, 2004 (SEAL) Member. Pennsylvania Association of Notaries THOMAS MCLENDON CRAWFORC STATE OF PENNS Y LVAN 9
Subscribed and sworn to before me at CHNTY OF ALECHEN -__,a Notary Public, this /o_ day of MA 2001. Charlette Klodhsenski Notary Public (SEAL) Notarial Seal
Charlotte Wlodkowski, Notary Public
Pittsburgh, Allegheny County
My Commission Expires Apr. 12, 2004



Member, Pennsylvania Association of Notaries